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ABSTRACT

A dual leading-shoe drum brake system includes two actuating levers that engage brake shoes. The levers are located between upper and lower anchors, with the bottoms of the actuating levers engaging the lower anchor as a fulcrum. A hydraulic cylinder is arranged to engage the upper ends of the levers to force them apart during braking. A brake shoe is positioned adjacent each lever so that the shoes are forced outward with the levers. The brake shoes selectively engage the upper and lower anchors during braking to receive the braking forces depending on the direction of rotation of the brake drum. The levers preferably float with respect to the backing plate, and the shoes are connected to the lever to float with them. A parking brake lever is arranged to engage an automatic adjusting link to provide dual leading-shoe operation during braking also.

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